

APPLICATION FOR CERTIFICATION

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# Magnolia Power Project

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Burbank

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Submitted by

**Southern California Public Power Authority**

March 2001

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**URS**

# MAGNOLIA POWER PROJECT

A SOUTHERN CALIFORNIA PUBLIC POWER AUTHORITY STUDY PROJECT



May 14, 2001

Mr. James Reede  
Project Manager  
California Energy Commission  
1516 Ninth Street  
Sacramento, California 95814

**Submittal of Application for Certification  
and Request for Six-month Review Process**

Dear Mr. Reede:

Accompanying this letter are 100 hard copies and 50 electronic copies of an Application for Certification for the Magnolia Power Project (Project).

The Project is a combined cycle plant proposed by five members of the Southern California Public Power Authority (SCPPA) to be located at an existing power generation site in the City of Burbank. These SCPPA members are the cities of Anaheim, Burbank, Colton, Glendale, and Pasadena.

In order to have the Project commercially available for the summer peak load season of 2004, it is requested that the Project be considered qualified for the six-month review process as adopted by the California Energy Commission on March 7, 2001. We believe this submittal meets all requirements under Title 20, Chapter 5 and the relevant Section 2022(b), pertaining to the six-month process information requirements, as follows:

(1) Substantial evidence that the project as proposed in the application will comply with all standards, ordinances, and laws applicable at the time of certification, including:

(A) A list of all such standards, ordinances, and laws is provided in Section 7.0.

(B) Information demonstrating that the project as proposed in the application will comply with all such standards, ordinances, and laws is provided in each of the technical analyses contained in Section 5.0, and in Section 7.0.

(C) Where a standard, ordinance, or law is expected to change between the time of filing an application and certification, information from the responsible jurisdiction documenting the impending change, the schedule for enactment of the change, and whether the proposed project will comply with the changed standard, ordinance, or law is addressed in the air quality (Section 5.2) and water resources (Section 5.5) sections of the AFC.

Specifically, as of April 20, 2001, the South Coast Air Quality Management District (SCAQMD) has revoked their one-hour significance level for nitrogen oxides. This significance level resulted in several restrictions on start up emissions that are reflected in the AFC. The Applicant will be submitting a revised air quality analysis reflecting the revised SCAQMD regulations.

Also, the water balance in the AFC reflects the current discharge limits in the City of Burbank NPDES permit. These limits are currently being revised in response to litigation. Should the limits for certain constituents be revised upwards, additional reclaimed water could be used for project cooling. In this case, the Applicant will submit a revised water balance.

(D) A list of the requirements for permitting by each federal, state, regional, and local agency that has jurisdiction, but for the exclusive jurisdiction of the CEC, and the information necessary to meet to meet those requirements is provided in Section 7.0.

(2) Substantial evidence that the project as proposed in the application will not cause a significant adverse impact on the environment, including all the following:

(A) A detailed modeling analysis assessing whether the cumulative impacts of all inert criteria pollutants (NO<sub>x</sub>, SO<sub>2</sub>, CO, and PM<sub>10</sub>) from the project's typical operating mode in combination with all stationary emissions sources within a six-mile radius of the proposed site that have received construction permits, but are not yet operational, and all stationary emissions sources that are currently undergoing air district permit application review will cause or contribute to a violation of any ambient air quality standard is provided in Section 5.2.4.

(B) A description of the project's planned initial commissioning phase, which is the phase between the first firing of emissions sources and the

consistent production of electricity for sale to the market, including the types and durations of equipment tests, criteria pollutant emissions, and monitoring techniques to be used during such tests, and air dispersion modeling analyses of the impacts of those emissions on state and federal ambient air quality standards for NO<sub>2</sub>, SO<sub>2</sub>, CO, and PM<sub>10</sub> is provided in Section 5.2.4.

(C) A detailed description of the mitigation, which an applicant shall propose, for all project impacts from criteria pollutants that currently exceed state or federal ambient air quality standards, but are not subject to offset requirements under the district's new source review rule is provided in Section 5.2.4. The proposed project will comply with all applicable ambient air quality standards.

(D) A modeling analysis that identifies the extent of potential public exposure to toxic substances, as identified in subsection (g)(9)(A) of Appendix B, resulting from normal facility operation is provided in Section 5.2.1.

(E) A complete report of proposed waste discharge as required by section 13260 of the Water Code that allows for issuance of waste discharge requirements by the appropriate regional water quality control board will be submitted within 100 days after filing of the application. The project will discharge under the existing City of Burbank NPDES permit.

(F) A demonstration, based on appropriate data including, but not limited to, scientific surveys taken at the appropriate time of year, that the project will have no significant impact on wetlands, plant or animal species that are endangered, threatened, or of concern under state or federal law, or the areas listed in Public Resources Code section 25527 is provided in Section 5.6.2.

(G) With respect to the handling of hazardous materials, a demonstration that:

(i) The project will not use or store any regulated substance defined in Section 25532(g) of the California Health and Safety Code is provided in Section 5.15.2 and

(ii) The project is eligible for Program 1 status pursuant to section 68.10 of Part 68 of Title 40 of the Code of Federal Regulations or can demonstrate that no worst case accidental release would result in a plausibility (risk greater than 1 in 1,000,000) of an impact above the ERPG 2 at the nearest public receptor, as discussed in Section 5.15.2.

(iii) No regulated substances will be used or stored at the project site in a liquefied gas form as discussed in Section 5.15.2.

(H) If the project will store or use a regulated substance defined in Section 25532(g) of the Health and Safety Code, a demonstration either that the boundary of the powerplant site will not be within 1000 feet of any residential area, school, general acute care hospital, long-term health care facility, or child day care facility as such terms are defined in section 25534.1 of the Health and Safety Code or that the project will pose no plausible potential for exposure at such facilities from an accidental release of the regulated substance as discussed in Section 5.15.4.

(I) A demonstration that the proposed facility will not require storage of gaseous flammable or explosive materials in quantities greater than 25000 standard cubic feet is provided in Section 3.0. The proposed project will not require storage of such materials in such quantities.

(3) Substantial evidence that the project will not cause a significant adverse impact on the electrical system, including all of the following:

(A) An Interconnection Study identifying the electrical system impacts and a discussion of the mitigation measures considered and those proposed to maintain conformance with NERC, WSCC, Cal-ISO or other applicable reliability or planning criteria based on load flow, post transient, transient, and fault current studies performed by or for the transmission owner in accordance with all applicable Cal-ISO or other interconnection authority's tariffs, operating agreements, and scheduling protocols is provided in Section 3.6.4.

(B) A full description of the facilities, if any, that are required for interconnection, including all such facilities beyond the point where the outlet line joins with the interconnected system and a full description of the environmental setting, environmental impacts, and any recommended mitigation measures proposed by the applicant for any required facilities beyond the point where the outlet line joins with the interconnected system is provided in Section 3.6.4.

(4) A discussion of the potential for disproportionate impacts from the project on minority or low-income people; such discussion shall include, but not be limited to, all of the following:

(A) Demographic information by census tract, based on the most recent census data available, showing the number and percentage of minority populations and people living below the poverty level within six miles of the proposed site is provided in Section 5.10.4. Updated information will be provided when the 2000 census data is available in digital form.

(B) One or more maps at a scale of 1:24,000 showing the distribution of minority populations and low-income populations and significant pollution sources within six miles of the proposed site, such as those permitted by the U.S. Environmental Protection Agency (Toxic Release Inventory sites), the local air quality management district, of the California Department of Toxic Substances Control is (are) provided in Figure 5.10-1.

(5) The following information to demonstrate that the project, if certified, is likely to be constructed and operated;

(A) Information demonstrating the applicant's control, by ownership, lease, option, or other legally binding agreement that the Commission finds acceptable, of the proposed site is provided in the attached letter.

(B) A will-serve letter or similar document from each provider of water to the project, indicating each provider's willingness to provide water to the project and describing all conditions under which the water will be provided, and a discussion of all other contractual agreements with the applicant pertaining to the provision of water to the project is provided in the attached letter.

We look forward to working with you during the certification process. Please do not hesitate to call either Mr. Bruce Blowey (Magnolia Power Project Licensing Manager) at 661-252-6908, or Mr. Perry Fontana (URS Project Manager) at 805-964-6010 if you have any questions.

Sincerely,

Bill Carnahan  
Executive Director  
Southern California Public Power Authority

C: Mr. Ronald E. Davis  
General Manager  
Burbank Water and Power

Mr. Perry Fontana  
URS Corporation

Mr. Bruce E. Blowey  
Magnolia Power Project